

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double brackets indicating deletions.

Listing of the Claims

1. (CURRENTLY AMENDED) A method for the providing of a ~~plant belonging to the~~ Brassica ~~varieties~~family with elevated levels of anticarcinogenic glucosinolates, comprising:

a) providing a cultivated Brassica oleracea plant with elevated levels of anticarcinogenic glucosinolates in the edible parts of the Brassica oleracea plant; and

~~[[a]]b) the use of crossing the~~ Brassica oleracea plant provided under a) ~~as the starting material for the breeding of~~ Brassica varieties with elevated levels of anticarcinogenic glucosinolates,

wherein in the cultivated Brassica oleracea plant the anticarcinogenic glucosinolates comprise at least glucoiberin (3-methylsulphinylpropyl glucosinolate (3MSPG)) and/or glucoraphanin (4-methylsulphinylbutylpropyl glucosinolate (4MSBG)), and wherein in the cultivated Brassica oleracea plant the concentration of 3MSPG per 100 gram of fresh weight of the edible part is greater than 280~~100~~ micromol and the concentration of 4MSBG per 100 gram of fresh weight of the edible part is greater than 120~~50~~ micromol.

2. (CANCELLED)

3. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the concentration of 3MSPG per 100 gram of fresh weight of the edible part is greater than 390 micromol.
4. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the concentration of 3MSPG per 100 gram of fresh weight of the edible part is greater than 790 micromol.
5. (CANCELLED)
6. (CURRENTLY AMENDED) The method according to ~~claim 5~~claim 1, wherein the concentration of 4MSBG per 100 gram of fresh weight of the edible part is greater than 140 micromol.
7. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the cultivated Brassica oleracea plant is broccoli sprout (Brassica oleracea convar. botrytis var. asparagoides).
8. (ORIGINAL) The method according to claim 7, wherein the broccoli sprout (Brassica oleracea convar. botrytis var. asparagoides) variety is Bordeaux.
9. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the cultivated Brassica oleracea plant is Savoy cabbage (Brassica oleracea convar. capitata var. sabauda).
10. (ORIGINAL) The method according to claim 9, wherein the Savoy cabbage (Brassica oleracea convar. capitata var. sabauda) variety is Wirosa.

11. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the cultivated Brassica oleracea plant is broccoli (Brassica oleracea convar. botrytis var. cymosa).

12. (ORIGINAL) The method according to claim 11, wherein the broccoli (Brassica oleracea convar. botrytis var. cymosa) variety is Belstar or Coronado.

13. (CURRENTLY AMENDED) The method according to claim 1, wherein the plant belonging to the Brassica family-varieties is selected from the group consisting of cauliflower or romanesco (Brassica oleracea convar. botrytis var. botrytis); broccoli (Brassica oleracea convar. botrytis var. cymosa); broccoli sprout (Brassica oleracea convar. botrytis var. asparagoides); Brussels sprouts (Brassica oleracea convar. oleracea var. gemmifera); white cabbage or oxheart cabbage (Brassica oleracea convar. capitata var. alba); red cabbage (Brassica oleracea convar. capitata var. rubra); Savoy cabbage (Brassica oleracea convar. capitata var. sabauda); kohlrabi (Brassica oleracea convar. acephala var. gongyloides); kale (Brassica oleracea convar. acephala var. sabellica); and Portuguese cabbage (Brassica oleracea var. tranchuda syn. costata).

14. (WITHDRAWN-CURRENTLY AMENDED) A plant belonging to the Brassica family-varieties obtainable by the method of claim 1.

15. (WITHDRAWN-CURRENTLY AMENDED) Seeds of a plant belonging to the Brassica family-varieties obtainable by the method of claim 1.

16. (WITHDRAWN-CURRENTLY AMENDED) Parts of a plant belonging to the Brassica family-varieties obtainable the method of claim 1.

17. (WITHDRAWN) The use of the plant according to claim 14 for the preparation of a food product and/or pharmaceutical composition for prophylaxis and/or treatment of cancer.

18. (WITHDRAWN) The use of the seeds according to claim 15 for the preparation of a food product and/or pharmaceutical composition for prophylaxis and/or treatment of cancer.

19. (WITHDRAWN) The use of the parts of a plant according to claim 16 for the preparation of a food product and/or pharmaceutical composition for prophylaxis and/or treatment of cancer.

20. (CANCELLED)

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END OF CLAIM LISTING

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